CORRES CONTROL **OUTGOING LTR NO**



000019264

91 AF 66	25	<u>/</u>
DIST	LTR	En
BENJAMIN A	T	T
BRETZKE, J.C.		1
BURLINGAME, A H	1	1
COPP, RD	1	1
CROUCHER DW	╆	╆
DAVIS J.G	┣	╆
EVERED JE.	17	1
FERRERA, DW	×-	M
FERRIS, L. R	-	-
FRAIKOR, FJ		-
FRANCIS, G.E.	_	_
COCCUING S	_	
GOODWIN, R	_	_
HANNI B.J	1	
HEALY T.	I	
DEKER, E H	\neg	
IENE I D	_	_

JENS J P KERSH J M AIRBY W.A HIEG D MAJESTIC J.R ATHEWS TALA ,, ⊌X Œ E / SCLUSKY JK HEURRENS BE HORGAN, R V LOTTER GL MY OTIEVE SAFFELL BF SANDLIN N.B SWANSON, E R WIEBE J.S. WILKINSON RB WILSON J M YOUNG ER

1 capier · FOACING! 1- ItOKBS TOHUSON THUNCE

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CLASSIFICATION

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UNCLASSIFIED	T	
CONFIDENTIAL		
SECRET	1	
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CORRES CONTROL X X

AUTHORIZED CLASSIFIER ASIGNATURE

DATE 10

EG&G ROCKY FLATS, INC ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402 0464 (303) 966-7000

October 11, 1991

EG&G ROCKY FLATS

91-RF-6644

Robert M. Nelson, Jr. Manager DOE, RFO

MONTHLY UPDATE ON STATUS OF PONDCRETE OPERATIONS - JMK-0714-91

Attn J D Wienand

Attached is a status report for Waste Repacking and Solidification (WR&S) from August 27, 1991 through September 28, 1991 Upon your approval, please forward this report to the Colorado Department of Health Copies are also to be provided to the Environmental Protection Agency and the Rocky Flats Environmental Monitoring Council

If there are any questions concerning the report, please contact J D Roberts 966-6129, J F Guadagnoli at 966-4885, or D R Pierson at 966-7100

M / Kersh

Associate General Manager Environmental & Waste Management

DRP CIV

Orig and 3 cc - R M Nelson, Jr

Attachment As Stated

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

ADMIN RECORD

A-0010 000155

בה ז דעסוכד גוודום פ

FOR PONDCRETE OPERATIONS AUGUST 27, 1991 THROUGH SEPTEMBER 28, 1991

BUILDING 788

Approximately 272,861 gallons of liquid were transferred from the 207 ponds to Building 374 Liquid Waste Operations during the reporting period

STORAGE PAD 750

There were no spills found during the ongoing inspections of the pad during the reporting period. Approximately 50,800 gallons of runoff liquid were pumped and transferred by truck to Building 374 Liquid Waste Operations.

STORAGE PAD 904

There were no spills found during the ongoing inspections of the pad during the reporting period. Approximately 44,400 gallons of runoff liquid were pumped and transferred by truck to Building 374 Liquid Waste Operations

904 AND 750 WR&S STORAGE AREAS RESULTS FROM ANALYSIS OF GRAB SAMPLES

Analytical results from analysis of grab samples collected at the 750 and 904 Pondcrete storage areas are summarized below. This report includes all data for which analytical results were available from August 27, 1991 through September 28, 1991. The plant guide for Nitrate discharges is 10 mg/l, for gross Alpha is 40 pC/l, and for gross Beta is 50 pC/l. Also included are the Cyanide, Cadmium, and Ammonia results upon availability.

TABLE 1 750 CULVERT

SAMPLE DATE	NITRATE mg/l	GPOSS ALPHA p.C.i/I	GFICSS BETA DC://I	TOTAL DISSOLVED SOLIDS (mg/l)
08/08/91	3 24	7±2	8 = 2	472
08/14/91	3 48	6±2	7 = 2	496
08/21/91	1 66	5±2	6 = 2	413
08/28/91	2 54	5±1	4=1	401
09/04/91	1 56	5±2	6=4	380

TABLE 2 750 PAD PUDDLE

SAMPLE DATE	NITRATE ma/l	GPCSS ALPHA pCi/I	GFCSS BETA p.C./!	CYANIDE ma/!	CADMIUM	AMMONIA ma/l	TOTAL DISSOLVED SOLIDS (mg/l)
08/15/90	* 0 68	3±2	9±4	0 003	5 24	1 08	118
07/11/91	1 24	1 0±1 0	12±2	<0 003	15 7	2 0	2 1
08/03/91	0 12	0 8±0 4	3±1	<0 003	<4 0	0 04	8
08/06/91	0 51	1 2±0 4	5±1	<0 003	<4 0	0 50	16

TABLE 3
904 PAD PUDDLE

		CFCSS	CFCSS				TOTAL
SAMPLE	NITRATE	ALPHA	BETA	CYANIDE	CADMIUM	AMMONIA	DISSOLVED
DATE	ma/l	pCI/I	pCi/I	ma/l	иа/	<u>ma/l</u>	SOLIDS (mg/l)
08/15/90	*<0 02	8±2	23±4	<0 003	6 10	0 02	8 2
07/11/91	2.18	3±1	14±2	0 005	8 7	3 3	62
08/03/91	0 37	0 5±0 4	2±1	<0 003	<4 0	0 31	7
08/06/91	0 48	0 6±0 4	5±1	<0 003	<4 0	0 53	5

These data were gathered as part of the routine environmental monitoring conducted by Environmental Management to screen runoff waters from the pads. Care must be used in any interpretation of these data, which are derived from grab samples taken in a dynamic system.

207 SERIES POND ANALYSIS (QUARTERLY) ADDITONAL ANALYSES FOR INFORMATIONAL PURPOSES ONLY

DATE	SAMPLE ID	TEST	RESULT	UNITS
10/24/90*	207A	Tritium Plutonium 239 Uranium 238 Uranium 235 Uranium 234 Americium 241	<2 6 x 10 ² 0 73±0 38 4 3±0 38 x 10 ² 16 3±2 7 4 1±0 36 x 10 ² 1 58 ±1 85 (MDA 4 2)	pCi/l pCi/l pCi/l pCi/l pCi/l

^{*}Data recently received from laboratory Data not previously reported